

Refine Search

Search Results -

Term	Documents
SSEA-4	220
SSEA-4S	0
SSEA4	63
SSEA4S	0
((SSEA4 OR SSEA-4) AND 4).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	70
(L4 AND (SSEA-4 OR SSEA4) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	70

Database:

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

Search:

L5

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Wednesday, June 14, 2006    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND		
<u>L5</u>	L4 and (SSEA-4 or SSEA4)	70	<u>L5</u>
<u>L4</u>	(placental or amniotic or chorionic) same (stem or totipotent or pluripotent or multipotential)	885	<u>L4</u>
<u>L3</u>	L2 and SSEA-4  (placental or amniotic or chorionic) same (stem or totipotent or pluripotent	13	<u>L3</u>

L2 or multipotential)  
L1 Strom-Stephen-C\$.in.

493 L2  
4 L1

END OF SEARCH HISTORY

## Welcome to DialogClassic Web(tm)

Dialog level 05.11.05D  
Last logoff: 13jun06 09:33:32  
Logon file001 14jun06 16:36:59

## \*\*\* ANNOUNCEMENTS \*\*\*

\*\*\*

## NEW FILES RELEASED

\*\*\*Regulatory Affairs Journals (File 183)  
\*\*\*Index Chemicus (File 302)  
\*\*\*Inspec (File 202)

## RESUMED UPDATING

\*\*\*File 141, Reader's Guide Abstracts

\*\*\*

## RELOADS COMPLETED

\*\*\*File 516, D&B--Dun's Market Identifiers  
\*\*\*File 523, D&B European Dun's Market Identifiers  
\*\*\*File 531, American Business Directory  
\*\*\* MEDLINE has been reloaded with the 2006 MeSH (Files 154 & 155)  
\*\*\* The 2005 reload of the CLAIMS files (Files 340, 341, 942)  
is now available online.

\*\*\*

## DATABASES REMOVED

\*\*\*File 196, FINDEX

\*\*\*File 468, Public Opinion Online (POLL)

Chemical Structure Searching now available in Prous Science Drug  
Data Report (F452), Prous Science Drugs of the Future (F453),  
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein  
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus  
(File 302).

\*\*\*

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\* \* \*

File 1:ERIC 1966-2006/May  
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Set	Items	Description
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Cost is in DialUnits

?

B 155, 5, 73

14jun06 16:37:11 User259876 Session D885.1

\$0.84 0.241 DialUnits File1

\$0.84 Estimated cost File1

\$0.05 INTERNET

\$0.89 Estimated cost this search

\$0.89 Estimated total session cost 0.241 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2006/Jun 14

(c) format only 2006 Dialog

**\*File 155: Please see HELP NEWS 154**

for information about recent updates added to MEDLINE.

File 5:Biosis Previews(R) 1969-2006/Jun W2  
 (c) 2006 The Thomson Corporation  
 File 73:EMBASE 1974-2006/Jun 13  
 (c) 2006 Elsevier Science B.V.

Set	Items	Description
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?

S (PLACENTAL OR AMNIOTIC OR CHORIONIC) (S) (STEM OR TOTIPOTENT OR PLURIPOTENT OR MUL

109889	PLACENTAL
58175	AMNIOTIC
98924	CHORIONIC
414799	STEM
1352	TOTIPOTENT
11312	PLURIPOTENT
4959	MULTIPOTENTIAL

S1 2275 (PLACENTAL OR AMNIOTIC OR CHORIONIC) (S) (STEM OR  
 TOTIPOTENT OR PLURIPOTENT OR MULTIPOTENTIAL)

?

S S1 AND (SSEA-4 OR SSEA4)

2275	S1
44	SSEA-4
53	SSEA4

S2 4 S1 AND (SSEA-4 OR SSEA4)

RD

S3	3	RD (unique items)
----	---	-------------------

T S3/3,K/ALL

3/3,K/1 (Item 1 from file: 155)  
 DIALOG(R) File 155:MEDLINE(R)  
 (c) format only 2006 Dialog. All rts. reserv.

20001444 PMID: 16188450

**Amniotic mesenchymal cells autotransplanted in a porcine model of cardiac ischemia do not differentiate to cardiogenic phenotypes.**

Sartore Saverio; Lenzi Maddalena; Angelini Annalisa; Chiavegato Angela;  
 Gasparotto Lisa; De Coppi Paolo; Bianco Roberto; Gerosa Gino

Department of Biomedical Sciences, University of Padua, Viale G. Colombo,  
 3, I-35121 Padua, Italy. sartore@mail.bio.unipd.it

European journal of cardio-thoracic surgery - official journal of the  
 European Association for Cardio-thoracic Surgery (Germany) Nov 2005, 28

(5) p677-84, ISSN 1010-7940--Print Journal Code: 8804069

Publishing Model Print-Electronic

Document type: Evaluation Studies; Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

OBJECTIVE: Transplantation of stem cells in the acute ischemic myocardium (AMI) may play a role in the recovery of cardiac function. Here, we investigated the ability of amniotic fluid-derived mesenchymal cells (AFC) for phenotypic conversion to vascular cells and cardiomyocytes (CM) when...

... RESULTS: AFC showed in vitro to be of mesenchymal type also expressing

markers of 'embryonic stem' cells (SSEA4 and Oct-4), as well as endothelial (von Willebrand factor, VE-cadherin) and smooth muscle...

... alpha-actin, SM22) cells. Thirty days after transplantation, in the survived AFC (5+/-1%) 'embryonic stem' cell markers disappeared and mesenchymal cell markers were down regulated with the exception of smooth ...

**3/3,K/2 (Item 1 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 The Thomson Corporation. All rts. reserv.

0015052008 BIOSIS NO.: 200400422797

**Human placenta feeder layers support undifferentiated growth of primate embryonic stem cells**

AUTHOR: Miyamoto Kanji (Reprint); Hayashi Kazuhiko; Suzuki Toshio; Ichihara Shinji; Yamada Tomoaki; Kano Yoshio; Yamabe Toshio; Ito Yoshihiro

AUTHOR ADDRESS: Dept Syst Engn Sci, Tokyo Metropolitan Inst Technol, Asahigaoka 6-6, Tokyo, 1910065, Japan\*\*Japan

AUTHOR E-MAIL ADDRESS: kmiyamot@cc.tmit.ac.jp

JOURNAL: Stem Cells (Miamisburg) 22 (4): p433-440 2004 2004

MEDIUM: print

ISSN: 1066-5099 \_(ISSN print)

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Various undifferentiated embryonic stem (ES) cells can grow on mouse embryonic fibroblast (MEF) feeders. However, the risk of zoonosis ...

...growth of primate ES cells. As on MEF feeders, primate ES cells cultured on human amniotic epithelial (HAE) feeder cells and human chorionic plate (HCP) cells had undifferentiated growth. The cultured primate ES cells expressed Oct-4, alkaline...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ... SSEA-4

**3/3,K/3 (Item 2 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 The Thomson Corporation. All rts. reserv.

0014745947 BIOSIS NO.: 200400116704

**Isolation of multipotent stem cells from placenta.**

AUTHOR: Miki Toshio (Reprint); Lehmann Thomas (Reprint); Cai Hongbo (Reprint); Strom Stephen C (Reprint)

AUTHOR ADDRESS: University of Pittsburgh, Pittsburgh, PA, USA\*\*USA

JOURNAL: Hepatology 38 (4 Suppl. 1): p290A October 2003 2003

MEDIUM: print

CONFERENCE/MEETING: 54th Annual Meeting of the American Association for the Study of Liver Diseases Boston, MA, USA October 24-28, 2003; 20031024

SPONSOR: American Association for the Study of Liver Diseases

ISSN: 0270-9139 \_(ISSN print)

DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: the wide-spread availability of this therapy. Previously, we

have shown that human placenta derived stem cells (PDSC) differentiate along neural or hepatic lineages depending on the culture conditions and suggested that these stem cells could be a source of cells for clinical transplantation. Here we report on a...

...analysis showed isolated naive AE cells contains a population of cells which express the embryonic stem (ES) cell markers, SSEA-3, 4, TRA 1-60, and TRA 1-81. Furthermore, the placental stem cells formed embryonic body (EB)-like structure when cells were cultured on Matrigel. The EB...

...there should be no social, ethical or religious objections to the isolation and use of placental -derived stem cells.

## DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ... SSEA-4

?

Set	Items	Description
S1	2275	(PLACENTAL OR AMNIOTIC OR CHORIONIC) (S) (STEM OR TOTIPOTENTIAL OR PLURIPOTENT OR MULTIPOTENTIAL)
S2	4	S1 AND (SSEA-4 OR SSEA4)
S3	3	RD (unique items)

?

S (TOTIPOTENT OR TOTIPOTENTIAL OR PLURIPOTENTIAL OR PLURIPOTENT OR MULTIPOTENTIAL) (

1352	TOTIPOTENT
197	TOTIPOTENTIAL
2467	PLURIPOTENTIAL
11312	PLURIPOTENT
4959	MULTIPOTENTIAL
414799	STEM
82732	PROGENITOR

S4 13256 (TOTIPOTENT OR TOTIPOTENTIAL OR PLURIPOTENTIAL OR PLURIPOTENT OR MULTIPOTENTIAL) (S) (STEM OR PROGENITOR)

?

S S4 (S) (SSEA-4 OR SSEA4)

13256	S4
44	SSEA-4
53	SSEA4

S5 11 S4 (S) (SSEA-4 OR SSEA4)

?

S S5 AND (PLACENTA)

11	S5
128657	PLACENTA

S6 0 S5 AND (PLACENTA)

?

RD S5

S7	5	RD S5 (unique items)
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?

T S7/3,K/ALL

7/3,K/1 (Item 1 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
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15509502 PMID: 15744021

**Generation and characterization of pluripotent stem cells from cloned bovine embryos.**

Wang Li; Duan Enkui; Sung Li-ying; Jeong Byeong-Seon; Yang Xiangzhong; Tian X Cindy

Institute of Zoology, Chinese Academy of Sciences, Beijing.

Biology of reproduction (United States) Jul 2005, 73 (1) p149-55,  
ISSN 0006-3363--Print Journal Code: 0207224

Publishing Model Print-Electronic

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Bovine embryonic stem (ES) cell lines reported to date vary in morphology and marker expression (e.g., alkaline phosphatase [ALPL], stage-specific embryonic antigen 4 [SSEA4], and OCT4) that normally are associated with the undifferentiated, pluripotent state. These observations suggest that the proper experimental conditions for consistently producing bovine ES cells...

... of the cells within the colonies stained positive for ALPL and the cell surface markers SSEA4 and OCT4. The staining patterns of nuclear transfer ES cells were identical to those of...

... Presumably, this resulted from an interruption of the self-renewal pathway. In summary, we generated pluripotent bovine ES cells with morphology similar to those of established ES cells in humans and...

**7/3,K/2 (Item 2 from file: 155)**

DIALOG(R)File 155:MEDLINE(R)

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15284150 PMID: 15625129

**Stably transfected human embryonic stem cell clones express OCT4-specific green fluorescent protein and maintain self-renewal and pluripotency.**

Gerrard Lesley; Zhao Debiao; Clark A John; Cui Wei

Department of Gene Expression and Development, Roslin, Midlothian, UK.

Stem cells (Dayton, Ohio) (United States) 2005, 23 (1) p124-33,  
ISSN 1066-5099--Print Journal Code: 9304532

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Human embryonic stem cells (hESCs) are derived from the inner cell mass of preimplantation embryos; they can be...

... ES cells. These OCT4-EGFP clonal cell lines exhibit features similar to parental hESCs, are pluripotent, and are able to produce all three embryonic germ layer cells. Expression of OCT4-EGFP is colocalized with endogenous OCT4, as well as the hESC surface antigens SSEA4 and Tra-1-60. In addition, the expression is retained in culture for an extensive...

**7/3,K/3 (Item 3 from file: 155)**

DIALOG(R)File 155:MEDLINE(R)

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13764435 PMID: 12033729



**Surface antigens of human embryonic stem cells: changes upon differentiation in culture.**

Draper Jonathan S; Pigott Christine; Thomson James A; Andrews Peter W

Department of Biomedical Science, University of Sheffield, UK.

Journal of anatomy (England) Mar 2002, 200 (Pt 3) p249-58, ISSN 0021-8782--Print Journal Code: 0137162

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

We have analysed the surface antigen phenotype of a human embryonic stem (hES) cell line (H7) and the changes that occur upon differentiation induced by retinoic acid, hexamethylene bisacetamide and dimethylsulphoxide. The undifferentiated stem cells expressed Stage Specific Embryonic Antigen-3 (SSEA3), SSEA4, TRA-1-60, and TRA-1-8 but not SSEA1. In these characteristics they closely...

... differentiated cells, although the induction in the differentiated cultures was considerably stronger than in the stem cells. In all of these features the human ES cells, and their pattern of differentiation, resembled the pluripotent human EC cell line NTERA-2 although clearly the range of cells generated by the...

**7/3,K/4 (Item 1 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

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0015619302 BIOSIS NO.: 200510313802

**Electrophysiological properties of pluripotent human and mouse embryonic stem cells**

AUTHOR: Wang Kai (Reprint); Xue Tian; Tsang Suk Y; Wong Johnny; Cheng Lin Z ; Li Gui R; Zhang Janet; Lau Chu P; Li Ronald A; Tse Hung F

AUTHOR ADDRESS: Univ Hong Kong, Hong Kong, Hong Kong, Peoples R China\*\*  
Peoples R China

JOURNAL: Circulation 110 (17, Suppl. S): p46-47 OCT 26 2004 2004

CONFERENCE/MEETING: 77th Scientific Meeting of the  
American-Heart-Association New Orleans, LA, USA November 07 -10, 2004;  
20041107

SPONSOR: Amer Heart Assoc

ISSN: 0009-7322

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Direct injection of pluripotent embryonic stem cells (ESCs) after myocardial infarction has been suggested as a means to repair the damaged...

...and H1 lines, respectively) was confirmed by immunostaining for markers such as Oct4, SSEA-1; SSEA4, TRA-60 and TRA-80. In mESCs, depolarization-activated delayed rectifier K+ currents (IKDR; 8...

**7/3,K/5 (Item 2 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

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0013605492 BIOSIS NO.: 200200199003



**Detection of unrestricted multipotential stem cells in human cord blood**

AUTHOR: Wernet Peter (Reprint); Fischer Johannes (Reprint); Knipper Andreas  
; Degistrici Oezer; Koegler Gesine (Reprint)

AUTHOR ADDRESS: Institute for Transplantation Diagnostic and Cell  
Therapeutics, University Medical Center, Duesseldorf, Germany\*\*Germany

JOURNAL: Blood 98 (11 Part 1): p550a November 16, 2001 2001

MEDIUM: print

CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of  
Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207

SPONSOR: American Society of Hematology

ISSN: 0006-4971

DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: cells were not differentiating under these conditions and  
remarkably displayed the embryonic cell surface antigen SSEA4 , but were  
negative for CD45, HLA class I and II as well. Employing distinct in...

...differences were apparent. PEI induced adherent cells strongly  
proliferated without differentiation and continued to express SSEA4 ,  
whilst DAG induced cultures lost SSEA4 and accumulated distinct  
transcription factors. PEI induced cells continued to be positive for  
transcription factors...

...not yet been analyzed on a clonal level, they demonstrate the presence  
of very early multipotential stem cells in cord blood which are much  
more potent in their differentiation plasticity as the so called  
mesenchymal stem cells observed in human bone marrow. These  
unrestricted CB stem cells appear to be excellent candidates for the  
development of regenerative therapeutics.

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Set	Items	Description
S1	2275	(PLACENTAL OR AMNIOTIC OR CHORIONIC) (S) (STEM OR TOTIPOTE- NT OR PLURIPOTENT OR MULTIPOTENTIAL)
S2	4	S1 AND (SSEA-4 OR SSEA4)
S3	3	RD (unique items)
S4	13256	(TOTIPOTENT OR TOTIPOTENTIAL OR PLURIPOTENTIAL OR PLURIPOT- ENT OR MULTIPOTENTIAL) (S) (STEM OR PROGENITOR)
S5	11	S4 (S) (SSEA-4 OR SSEA4)
S6	0	S5 AND (PLACENTA)
S7	5	RD S5 (unique items)

?

**COST**

14jun06 16:43:44 User259876 Session D885.2  
\$1.95 0.575 DialUnits File155  
\$0.88 4 Type(s) in Format 3  
\$0.88 4 Types  
\$2.83 Estimated cost File155  
\$2.53 0.430 DialUnits File5  
\$0.64 4 Type(s) in Format 95 (KWIC)  
\$0.64 4 Types  
\$3.17 Estimated cost File5  
\$4.37 0.391 DialUnits File73  
\$4.37 Estimated cost File73  
OneSearch, 3 files, 1.395 DialUnits FileOS  
\$1.86 INTERNET

\$12.23 Estimated cost this search

\$13.12 Estimated total session cost 1.636 DialUnits

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Day : Wednesday

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Enter the **first few letters** of the Inventor's Last Name.

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Miki

Toshio

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